## What is claimed is:

- 1. A remote, self-contained communications antenna apparatus for establishing wireless communications, comprising:
  - (a) a vehicle; and
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- (b) attached to said vehicle, equipment for
- (i) tranceiving wireless communication signals between said equipment and a disconnected cell site, and
- (ii) transceiving wireless communication signals between said equipment and a communications network.
- 2. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 806-960 MHz.
  - 3. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 1710-1855 MHz.
  - 4. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 2500-2690 MHz.
  - 5. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 2.4-2.5 GHz.
  - 6. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site are for wireless paging devices.
- 7. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site are for digital processing devices.
  - 8. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site comprise any frequency signal in the electromagnetic spectrum.
- 9. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said communications network unit are transceived at 806-960 MHz.
  - 10. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said communications network unit are transceived at 1710-1855 MHz.
  - 11. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said communications network unit are transceived at 2500-2690 MHz.

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- 12. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said communications network unit are transceived at 2.4-2.5 GHz.
- 13. The apparatus of claim 1, wherein said wireless communication signals between said equipment and said communications network unit comprise any frequency signal in the electromagnetic spectrum.
- 14. The apparatus of claim 1, wherein said communications network comprises a celestial communications network.
- 15. The apparatus of claim 1, wherein said communications network comprises a terrestrial communications network.
- 10 16. The apparatus of claim 1, wherein said disconnected cell site transceives wireless communication signals with a wireless device.
  - 17. The apparatus of claim 16, wherein said wireless device comprises at least one of the following:
    - (a) a phone;
- 15 (b) a computer;
  - (c) a modem;
  - (d) a pager;
  - (e) a personal data assistant;
  - (f) a global positioning system receiver; and
  - (g) an interactive television.
  - 18. The apparatus of claim 1, wherein said equipment comprises one or more of the following:
    - (a) a power source for providing power to said remote, self-contained communications antenna apparatus;
    - (b) a backup power source for providing backup power to said remote, selfcontained communications antenna apparatus;
      - (c) a charging source for
        - (1) charging said power source, and
        - (2) charging said backup power source;
- 30 (d) transceiving equipment for

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- (i) transmitting and receiving said wireless communication signals between said equipment and said disconnected cell site, and
- (ii) transmitting and receiving said wireless communication signals between said equipment and said communications network;
- (e) network interface equipment for
  - (i) processing said wireless communication signals between said equipment and said disconnected cell site, and
  - (ii) processing said wireless communication signals between said equipment and said communications network;
- 10 (f) a control unit for
  - (i) managing said wireless communication signals between said equipment and said disconnected cell site, and
  - (ii) managing said wireless communication signals between said equipment and said communications network;
  - (g) a data storage unit for storing data associated with
    - (i) said wireless communication signals between said equipment and said disconnected cell site, and
    - (ii) said wireless communication signals between said equipment and said communications network;
  - (h) a mast for extending and collapsing an antenna of said transceiving equipment;
    - (i) environmental control equipment for controlling temperature; and
  - (j) stabilizing equipment to secure and balance the attachment of said equipment to said vehicle.
- 25 19. The apparatus of claim 18, wherein said control unit comprises a personal computer.
  - 20. The apparatus of claim 18, wherein said vehicle comprises a non-motorized vehicle.
  - 21. The apparatus of claim 20, wherein said motorized vehicle comprises a trailer.
  - 22. The apparatus of claim 18, wherein said vehicle comprises a motorized vehicle.
  - 23. The apparatus of claim 22, wherein said charging source further charges said motorized vehicle.

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- 24. The apparatus of claim 18, wherein said mast comprises an extendible mast.
- 25. The apparatus of claim 18, wherein said signal processor comprises a digital signal processor.
- 26. The apparatus of claim 18, wherein said signal processor comprises an analog signalprocessor.
  - 27. The apparatus of claim 18, wherein said power source comprises at least one of the following:
    - (a) a gasoline-powered generator;
    - (b) a solar-powered generator; and
- 10 (c) an electrical-powered generator.
  - 28. The apparatus of claim 18, wherein said network interface unit communicates with a customer service unit of said disconnected cell site using wireless communications.
  - 29. The apparatus of claim 18, wherein said network interface unit communicates with a customer service unit of said disconnected cell site using a wired medium.
- 30. A remote, self-contained communications antenna apparatus for establishing wireless communications, comprising:
  - (a) a vehicle; and
  - (b) attached to said vehicle, equipment for
  - (i) tranceiving wireless communication signals between said equipment and a cellular system, and
  - (ii) transceiving wireless communication signals between said cellular system and a communications network.
  - 31. The apparatus of claim 30, wherein said cellular system comprises a cellular switch.
  - 32. The apparatus of claim 30, wherein said cellular system comprises a remote cell site.
- 25 33. The apparatus of claim 30, wherein said cellular system comprises a cell site.
  - 34. The apparatus of claim 30, wherein said cellular system comprises a disconnected cell site.
  - 35. A method for establishing wireless communications, comprising:
- (a) transceiving wireless communication signals between a wireless device and a disconnected cell site; and

- (b) transceiving wireless communication signals between said disconnected cell site and a remote, self-contained communications antenna apparatus; and
- (c) transceiving wireless communication signals between said remote, self-contained communications antenna apparatus and a communications network.
- 5 36. A method for establishing wireless communication, comprising:
  - (a) transceiving wireless communication signals between a remote, selfcontained communications antenna apparatus and a cellular system; and
  - (b) transceiving wireless communication signals between said cellular system and a communications network.